

Supplementary Table SI Mixed linear modeling of maternal periconceptional smoking and Carnegie stages in female and male embryos.

	Female embryo (N = 344)	Model 1 ^a		P	Model 2 ^b		P
		Effect estimate (β), 95% CI	P		Effect estimate (β), 95% CI	P	
Smoking							
No (N = 301)	0 (Reference)				0 (Reference)		
Yes (N = 43)	-0.215 (-0.496; 0.066)	0.133	-0.173 (-0.469; 0.122)	0.250			
Cigarettes/day							
	-0.114 (-0.213; -0.014)	0.025*	-0.093 (-0.198; 0.012)	0.082			
Smoking, categorical							
None (N = 301)	0 (Reference)				0 (Reference)		
1–9 cigarettes/day (N = 31)	-0.103 (-0.425; 0.219)	0.531	-0.076 (-0.416; 0.264)	0.660			
≥10 cigarettes/day (N = 12)	-0.522 (-1.038; -0.007)	0.047*	-0.433 (-0.970; 0.103)	0.113			
 Male embryo (N = 336)							
Smoking							
No (N = 283)	0 (Reference)				0 (Reference)		
Yes (N = 53)	0.005 (-0.235; 0.246)	0.965	0.059 (-0.202; 0.322)	0.653			
Cigarettes/day							
	-0.037 (-0.114; 0.040)	0.351	-0.026 (-0.109; 0.056)	0.529			
Smoking, categorical							
None (N = 283)	0 (Reference)				0 (Reference)		
1–9 cigarettes/day (N = 29)	0.288 (-0.022; 0.598)	0.069	0.355 (0.025; 0.687)	0.035*			
≥10 cigarettes/day (N = 24)	-0.338 (-0.677; 0.001)	0.051	-0.279 (-0.629; 0.071)	0.118			

*P < 0.05 (bold text).

^aModel with gestational age as time predictor.

^bFully adjusted model with gestational age as time predictor; adjusted for alcohol use, educational level, folic acid supplement use, maternal age, mode of conception, ethnicity, maternal BMI, parity and vitamin use.